

IN THE CLAIMS

A marked up version of the revised claims, showing insertions and deletions, is included in Appendix B. Please cancel claim 18 and amend the claims as follows:

1. (Amended) A golf ball having three or more concentrically disposed layers, which comprises:

a core of at least one layer comprising at least one resilient elastomeric material;
a hoop-stress layer wound or wrapped about the core comprising at least one hoop-stress material having a tensile elastic modulus of about 10,000 kpsi or greater and a first cross-sectional area, wherein a binding material is applied to the at least one hoop-stress material and activated to increase first cross-sectional area by about 5 percent or greater; and
an outermost thermoset material of at least one layer disposed about the hoop-stress layer.

8. (Amended) The golf ball of claim 1, wherein the at least one hoop-stress material has a tensile elastic modulus of about 20,000 kpsi or greater.

19. (Amended) A golf ball having four or more concentrically disposed layers, which comprises:

a core of at least one layer comprising at least one resilient elastomeric material;
a hoop-stress layer comprising at least one wound material, having a tensile elastic modulus of about 10,000 kpsi or greater, disposed about the core, wherein the at least one wound material forming the hoop-stress layer has a first cross-sectional area and is coated with a binding material prior to winding to create a second cross-sectional area greater than the first;
and

an outermost thermoset material of at least one layer, having a dimpled outer surface, disposed about the hoop-stress layer.

20. (Amended) The golf ball of claim 19, wherein the at least one wound material has a tensile elastic modulus of about 20,000 kpsi or greater.

25. (Amended) The golf ball of claim 19, wherein the at least one layer of an outermost thermoset material has a hardness of about 30 to about 80 Shore D.

Please add the following new claims:

26. ^{cl 1} (New) The golf ball of claim 1, wherein the binding material is activated by heat, pressure, chemical treatment, photo-activation, or a combination thereof.

27. ^{cl 1} (New) A golf ball comprising:
a core comprising at least one resilient elastomeric material;
a hoop-stress layer disposed about the core comprising at least one strand having a first cross-sectional area;
a binding material applied to the at least one strand to increase the first cross-sectional area by about 5 percent or greater; and
a cover comprising at least one thermoset material.

28. ^{cl 1} (New) The golf ball of claim 27, wherein the hoop-stress layer has a tensile elastic modulus of about 10,000 kpsi or greater.

29. ^{cl 1} (New) The golf ball of claim 27, wherein the binding material is activated by heat, pressure, chemical treatment, photo-activation, or a combination thereof.

30. ^{cl 2} (New) The golf ball of claim 27, wherein the binding material is activated after the hoop-stress layer is disposed about the core.

31. ^{cl 5/7} (New) The golf ball of claim 27, wherein the hoop-stress material comprises at least one shape memory alloy having a specific gravity of about 7.6 or greater.

32. ^{cl 1} (New) The golf ball of claim 27, wherein the at least one thermoset material comprises polybutadiene, natural rubber, styrene butadiene rubber, isoprene, urethane, or combinations thereof.

33. (New) The golf ball of claim 27, wherein the cover has a hardness of about 40 to about 75 Shore D.
